

# LONDON- WEST MIDLANDS ENVIRONMENTAL STATEMENT

## Volume 5 | Technical Appendices

CFA2 | Camden Town and HS1 Link  
**Operational assessment (SV-004-002)**  
Sound, noise and vibration

November 2013

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Department  
for Transport

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## Appendix SV-004-002

Environmental topic:	Sound, noise and vibration	SV
Appendix name:	Operation assessment	004
Community forum area:	Camden Town and HS1 link	002

# Contents

<b>1</b>	<b>Introduction</b>	<b>3</b>
1.1	Structure of the sound, noise and vibration appendices	3
1.2	Evaluation of impacts and effects	3
<b>2</b>	<b>Scope, assumptions and limitations</b>	<b>5</b>
2.1	Regional and local policy guidance	5
2.2	Engagement	5
2.3	Methodology	5
2.4	Assumptions	6
2.5	Local Limitations	6
<b>3</b>	<b>Environmental baseline</b>	<b>7</b>
<b>4</b>	<b>Effects arising during operation</b>	<b>8</b>
4.1	Introduction	8
4.2	Avoidance and mitigation measures	8
4.3	Quantitative identification of impacts and effects	8
4.4	Assessment of impacts and effects	48

## List of tables

Table 1: Ground-borne sound and vibration levels, noise and vibration impacts and effects.....	10
Table 2: Summary of operational ground-borne noise and vibration impacts.....	17
Table 3: Operational airborne sound level, noise impacts and effects .....	19
Table 4: Summary of operational airborne sound impacts.....	48
Table 5: Adverse effects of operational noise and vibration that are considered to be significant on a community basis .....	49

# 1 Introduction

## 1.1 Structure of the sound, noise and vibration appendices

- 1.1.1 The sound, noise and vibration appendices comprise four sections. The first of these details the methodology used (Appendix SV-001-000) and relates to the sound, noise and vibration assessment for all community forum areas (CFA).
- 1.1.2 For the Camden Town and HS1 link community forum area (CFA02), the other three sections are as follows:
- baseline sound, noise and vibration (Appendix SV-002-002);
  - construction sound, noise and vibration (Appendix SV-003-002); and
  - operational sound, noise and vibration (Appendix SV-004-002) (this appendix).
- 1.1.3 The outcomes of this assessment are summarised in Volume 2: CFA02 Report, Chapter 11 Sound, Noise and Vibration.
- 1.1.4 Maps referred to throughout the sound, noise and vibration appendices are contained in the Volume 5 sound, noise and vibration map book.
- 1.1.5 This appendix presents the likely noise and vibration impacts, effects and significant effects arising from the operation of the Proposed Scheme for the Camden Town and HS1 link area on:
- people, primarily where they live ('residential receptors') in terms a) individual dwellings and b) on a wider community basis, including any shared community spaces; and
  - community facilities such as schools, hospitals, places of worship, and also commercial properties such as offices and hotels, collectively described as 'non-residential receptors' and 'quiet areas'.
- 1.1.6 The assessment of likely impacts, effects and significant effects from operational noise and vibration on agricultural, community, ecological or heritage receptors and the assessment of tranquillity are presented in the following documents within Volume 5:
- |                        |                     |
|------------------------|---------------------|
| • Community            | Appendix CM-001-002 |
| • Ecology              | Appendix EC-005-002 |
| • Heritage             | Appendix CH-003-002 |
| • Landscape and Visual | Appendix LV-001-002 |

## 1.2 Evaluation of impacts and effects

- 1.2.1 This appendix provides a quantitative assessment of operational noise and vibration impacts and effects and a qualitative assessment of likely significant effects, based on the impacts and effects identified and other local context information consistent with the scope and methodology defined for the Proposed Scheme.

- 1.2.2 Indirect effects arising from permanent changes in traffic patterns on the existing road and rail networks as a consequence of the Proposed Scheme are also reported in this appendix, where they would occur within the study area as defined in Volume 5: Appendix SV-001-000.
- 1.2.3 Route-wide impacts, effects and significant effects associated with noise or vibration from the operation of the Proposed Scheme are reported in Volume 3.
- 1.2.4 Off-route effects of noise or vibration arising from the operation of the Proposed Scheme, including those likely to arise from permanent changes in traffic patterns on roads or railways outside of the study area for direct effects are reported in Volume 4.
- 1.2.5 In undertaking the assessment of sound, noise and vibration, consistent with EIA Regulations and emerging National Planning Practice Guidance<sup>1</sup> a differentiation between impacts effects, adverse effects and significant effects is made. Further information is provided in Volume 5: Appendix SV001-000.
- 1.2.6 The assessment of impacts has been undertaken at assessment locations that are representative of a number of dwellings or other sensitive receptors. The Assessment Locations employed in this assessment are presented on map series Sv-02 in the CFA02 Volume 5 sound, noise and vibration map book.

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<sup>1</sup> National Planning Practice Guidance – Noise <http://planningguidance.planningportal.gov.uk> ; refer to the table summarising noise exposure hierarchy

## 2 Scope, assumptions and limitations

### 2.1 Regional and local policy guidance

2.1.1 The policy framework for sound, noise and vibration is set out in Volume 1 and in Appendix SV-001-000. As part of the engagement with local authorities through the Planning Forum Sub Group (Acoustics) information regarding any specific local planning guidance in respect of noise and vibration has been requested. Whilst no information has been received for this study area via the Planning Forum Sub Group (Acoustics) the following local policy guidance on noise and vibration has been identified:

- Camden Local Development Framework - Nov 2010.

2.1.2 This guidance has been considered as part of formulating the detailed application of the impact and significance criteria set out in Volume 5: Appendix SV-001-000.

### 2.2 Engagement

2.2.1 Details of engagement on a route-wide basis with the local and county authorities' Environmental Health Practitioners via the Planning Forum Sub Group - Acoustics, is set out in Volume 1, Section 8.

2.2.2 Engagement with communities has been via the Community Forums, as set out in Volume 1. In respect of sound, noise and vibration the following discussions have taken place:

- general discussions in respect of local issues, including possible ways to avoid and mitigate the potential impacts of noise or vibration
- September / October 2012; a specific presentation about sound, noise and vibration with discussion afterwards with one of the project team specialists;
- November / December 2012; specific request for the Community Forum to propose baseline sound monitoring locations;
- January / February 2013; feedback to the Community Forum on any proposed baseline monitoring locations; and
- verbal / written response to questions on sound, noise and vibration.

### 2.3 Methodology

2.3.1 The methodology used for the assessment of airborne sound, ground-borne sound and vibration impacts and the determination of significant effects is defined in the Scope and Methodology Report (SMR) (Volume 5: Appendix CT-001-000/1), is clarified in a number of areas by the SMR addendum (Volume 5: Appendix CT-001-000/2). Further information is contained in Volume 5: Appendix SV-001-000.



## **2.4 Assumptions**

- 2.4.1 Route-wide assumptions are outlined in Volume 1, Section 8, and are further detailed in Volume 5: Appendix SV-001-000. Local assumptions that apply to the assessment of operational sound noise and vibration within this CFA are set out in Volume 2: Report 02.

## **2.5 Local Limitations**

- 2.5.1 In this area, there are a number of locations where the land or property owners did not permit baseline sound level monitoring to be undertaken at their premises. However, sufficient information has been obtained to undertake the assessment. Further information is provided in Volume 5: Appendix SV-002-002.

## 3 Environmental baseline

### 3.1 Existing baseline

- 3.1.1 Baseline sound level data has been collected at locations representative of the airborne sound-sensitive receptors. The existing and future baseline airborne sound levels derived from these measurements are included within Table 3. Details of the baseline data collection and the methodology are given in Volume 5: Appendix SV-001-000 and specifically for this study area in Volume 5: Appendix SV-002-006.
- 3.1.2 The majority of receptors adjacent to the line of the route are not currently subject to appreciable vibration and therefore vibration at all receptors has been assessed using the absolute vibration criteria as described in Volume 5: Appendix SV-001-000.

### 3.2 Future baseline

- 3.2.1 The assessment is based upon the predicted change in sound levels that result from the Proposed Scheme. The assessment initially considered a reasonable worst case (that would overestimate the change in levels) by assuming that sound levels would not change from the existing baseline year of 2012/2013. Where significant effects were identified on this basis, the effects have been assessed using the baseline year of 2026 to coincide with the proposed start of passenger services. The future baseline is for the sound environment that would exist in 2026 without the Proposed Scheme.

## 4 Effects arising during operation

### 4.1 Introduction

4.1.1 The assessment is reported first for ground-borne sound and vibration and then for airborne sound. Under each of these headings, the results of the quantitative identification of impacts and effects are presented. This is followed by the identification of significant effects and the evidence used to support these conclusions.

4.1.2 The structure of this assessment report is:

- Avoidance and mitigation measures
- Quantitative identification of impact and effects
  - Ground-borne sound and vibration
    - Residential
    - Non-residential
  - Airborne sound
    - Residential
    - Non-residential
- Assessment of impacts and effects
  - Residential receptors: direct effects – dwellings
  - Residential receptors: direct effects – communities
  - Residential receptors: indirect effects
  - Non-residential receptors: direct effects
  - Non-residential receptors: indirect effects
  - Cumulative effects from the proposed scheme and other committed development.

### 4.2 Avoidance and mitigation measures

4.2.1 These are set out in Volume 2: Report 02.

### 4.3 Quantitative identification of impacts and effects

#### Ground-borne sound and vibrations

4.3.1 Assessment locations defined for the quantitative assessment of impacts are shown on map series SV-02 in the CFA02 Volume 5 sound, noise and vibration map book.

4.3.2 For each Assessment Location, the assessment results for residential and non-residential receptors are presented in Table 1. Explanation of the information in Table 1 is provided in Appendix SV-001-000, with the following additional notes.






B	For non-residential receptors further detail about the type of effect is set out in the text of Volume 5: Appendix SV-001-000.
NA	Type of effect - Generally no adverse effect
A	Type of effect - Adverse effect
S	Type of effect - Significant adverse effect
VDV	Vibration Dose Value
~	The forecast adverse effects are not considered to be significant on a community basis (further information on methodology is provided in Volume 5: Appendix SV-001-000).
^	The impact methodology has identified a potential significant effect at this receptor which based upon further qualitative information is not considered to be a likely significant effect. Please refer the end of this Appendix for further information.
	Where the significant effect column is highlighted in pink, then a significant effect is identified at the referenced residential community area, or individual receptor.
	Yellow denotes a low ground-borne noise impact or a minor ground-borne vibration impact
	Orange denotes a medium ground-borne noise impact or a moderate ground-borne vibration impact
	Red denotes a high ground-borne noise impact or a major ground-borne vibration impact
	Dark red denotes a very high ground-borne noise impact

Table 1: Ground-borne sound and vibration levels, noise and vibration impacts and effects

Assessment location		Impact criteria				Significance criteria								Significant effect
		Ground-borne sound level dB L <sub>pASmax</sub>	VDV m/s <sup>1.75</sup> Daytime (07:00 - 23:00)	VDV m/s <sup>1.75</sup> Night time (23:00 – 07:00)	% increase or decrease in VDV	Number of impacts represented	Type of effect	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation effect	
520515	Camden Lock Place, London	-	0.00	0.00	-	10	NA	R	T	-	-	-	-	
529961	Castlehaven Road, London	-	0.00	0.00	-	2	NA	R	T	-	-	-	-	
530427	Water Lane, London	-	0.00	0.00	-	1	NA	R	T	-	-	-	-	
546705	Prowse Place, London	-	0.00	0.00	-	12	NA	R	T	-	-	-	-	
546786	Camden Gardens, London	-	0.00	0.00	-	41	NA	R	T	-	-	-	-	
621777	Camden Lock Place, London	-	0.00	0.00	-	9	NA	R	T	-	-	-	-	
621780	Gilbeys Yard, London	-	0.01	0.00	-	32	NA	R	T	-	-	-	-	
621785	Juniper Crescent, London	-	0.04	0.02	-	29	NA	R	T	-	-	-	-	
621786	Juniper Crescent, London	-	0.06	0.03	-	24	NA	R	T	-	-	-	-	
621787	Juniper Crescent, London	-	0.02	0.01	-	28	NA	R	T	-	-	-	-	
621788	Juniper Crescent, London	-	0.09	0.04	-	39	NA	R	T	-	-	-	-	
621902	Regents Park Road, London	13	0.06	0.03	-	53	NA	R	T	-	-	-	-	
700007	Ivor Street, London	-	0.00	0.00	-	9	NA	R	T	-	-	-	-	
700008	Ivor Street, London	-	0.00	0.00	-	6	NA	R	T	-	-	-	-	
700009	Royal College Street, London	-	0.00	0.00	-	17	NA	R	T	-	-	-	-	
700010	Royal College Street, London	-	0.00	0.00	-	5	NA	R	T	-	-	-	-	
700012	Rousden Street, London	-	0.00	0.00	-	50	NA	R	T	-	-	-	-	
700013	Royal College Street, London	-	0.00	0.00	-	20	NA	R	T	-	-	-	-	
700014	Baynes Street, London	-	0.00	0.00	-	26	NA	R	T	-	-	-	-	
700015	Baynes Street, London	-	0.00	0.00	-	21	NA	R	T	-	-	-	-	

Assessment location		Impact criteria				Significance criteria								Significant effect
		Ground-borne sound level dB L <sub>pASmax</sub>	VDV m/s <sup>-1.75</sup> Daytime (07:00 - 23:00)	VDV m/s <sup>-1.75</sup> Night time (23:00 - 07:00)	% increase or decrease in VDV	Number of impacts represented	Type of effect	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation effect	
ID	Area represented													
700016	Randolph Street, London	-	0.00	0.00	-	45	NA	R	T	-	-	-	-	
700017	St. Pancras Way, London	-	0.00	0.00	-	31	NA	R	T	-	-	-	-	
700019	Wrotham Road, London	-	0.00	0.00	-	32	NA	R	T	-	-	-	-	
700021	Agar Place, London	-	0.00	0.00	-	4	NA	R	T	-	-	-	-	
700023	Barker Drive, London	-	0.00	0.00	-	101	NA	R	T	-	-	-	-	
700024	Barker Drive, London	-	0.00	0.00	-	20	NA	R	T	-	-	-	-	
700025	Wrotham Road, London	-	0.00	0.00	-	154	NA	R	T	-	-	-	-	
700026	Barker Drive, London	-	0.00	0.00	-	87	NA	R	T	-	-	-	-	
700037	Castlehaven Road, London	-	0.00	0.00	-	2	NA	R	T	-	-	-	-	
700038	Hawley Crescent, London	-	0.00	0.00	-	9	NA	R	T	-	-	-	-	
700040	Hawley Road, London	-	0.00	0.00	-	5	NA	R	T	-	-	-	-	
700042	Kentish Town Road, London	-	0.00	0.00	-	1	NA	R	T	-	-	-	-	
700043	Bonny Street, London	-	0.00	0.00	-	18	NA	R	T	-	-	-	-	
520515	Camden Lock Place, London, (General Commercial)	-	0.00	0.00	-	16	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
520515	Middle Yard, Camden Lock Place, London, (Shopping)	-	0.00	0.00	-	2	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
520515	Camden Lock Place, London, (General Commercial)	-	0.00	0.00	-	2	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
520515	Camden Lock Place, London, (Research)	-	0.00	0.00	-	31	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
520515	Camden Lock Place, London, (Shopping)	-	0.00	0.00	-	3	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
530427	Water Lane, London, (Office)	-	0.00	0.00	-	4	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
530427	Water Lane, London, (General Commercial)	-	0.00	0.00	-	1	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	

Assessment location		Impact criteria				Significance criteria								Significant effect
		Ground-borne sound level dB L <sub>pASmax</sub>	VDV m/s <sup>1.75</sup> Daytime (07:00 - 23:00)	VDV m/s <sup>1.75</sup> Night time (23:00 - 07:00)	% increase or decrease in VDV	Number of impacts represented	Type of effect	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation effect	
530427	Water Lane, London, (General Commercial)	-	0.00	0.00	-	1	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
530427	Water Lane, London, (Shopping)	-	0.00	0.00	-	1	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
530427	Water Lane, London, (General Commercial)	-	0.00	0.00	-	1	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
546705	Prowse Place, London, (General Commercial)	-	0.00	0.00	-	2	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
546705	Bonny Street, London, (General Commercial)	-	0.00	0.00	-	7	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
546705	Bonny Street, London, (General Commercial)	-	0.00	0.00	-	1	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
546705	Camden Road Railway Station, Camden Road, London, (General Commercial)	-	0.00	0.00	-	1	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
546705	Prowse Place, London, (General Commercial)	-	0.00	0.00	-	3	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
700007	Jeffreys Place, London, (General Commercial)	-	0.00	0.00	-	3	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
700009	Royal College Street, London, (Restaurant)	-	0.00	0.00	-	1	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
700009	Royal College Street, London, (Shopping)	-	0.00	0.00	-	1	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
700009	Royal College Street, London, (Restaurant)	-	0.00	0.00	-	1	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
700009	Royal College Street, London, (General Commercial)	-	0.00	0.00	-	1	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
700010	Royal College Street, London, (General Commercial)	-	0.00	0.00	-	1	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
700012	Camden Road, London, (Car Dealer)	-	0.00	0.00	-	1	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
700012	Camden Road, London, (Shopping)	-	0.00	0.00	-	1	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	

Assessment location		Impact criteria				Significance criteria								Significant effect
		Ground-borne sound level dB L <sub>pASmax</sub>	VDV m/s <sup>1.75</sup> Daytime (07:00 - 23:00)	VDV m/s <sup>1.75</sup> Night time (23:00 - 07:00)	% increase or decrease in VDV	Number of impacts represented	Type of effect	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation effect	
700012	Camden Road, London, (General Commercial)	-	0.00	0.00	-	1	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
700012	Camden Road, London, (Shopping)	-	0.00	0.00	-	1	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
700012	Camden Road, London, (General Commercial)	-	0.00	0.00	-	1	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
700012	Camden Road, London, (Restaurant)	-	0.00	0.00	-	1	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
700013	Royal College Street, London, (General Commercial)	-	0.00	0.00	-	2	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
700013	Royal College Street, London, (General Commercial)	-	0.00	0.00	-	2	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
700013	Royal College Street, London, (General Commercial)	-	0.00	0.00	-	1	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
700014	Royal College Street, London, (General Commercial)	-	0.00	0.00	-	1	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
700014	Bruges Place, Baynes Street, London, (Office)	-	0.00	0.00	-	5	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
700014	Royal College Street, London, (General Commercial)	-	0.00	0.00	-	1	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
700015	Bruges Place, Baynes Street, London, (General Commercial)	-	0.00	0.00	-	2	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
700015	Nora Leverton Court, Randolph Street, London, (General Commercial)	-	0.00	0.00	-	1	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
700016	St. Pancras Way, London, (General Commercial)	-	0.00	0.00	-	1	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	
700017	Randolph Street, London, (General Commercial)	-	0.00	0.00	-	1	B	G <sub>4</sub> /V <sub>3</sub>	T	-	-	-	-	



Assessment location		Impact criteria				Significance criteria								Significant effect
		Ground-borne sound level dB L <sub>pASmax</sub>	VDV m/s <sup>1.75</sup> Daytime (07:00 - 23:00)	VDV m/s <sup>1.75</sup> Night time (23:00 - 07:00)	% increase or decrease in VDV	Number of impacts represented	Type of effect	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation effect	
ID	Area represented													
700019	Agar Place, London, (General Commercial)	-	0.00	0.00	-	2	B	G4/V3	T	-	-	-	-	
700023	St. Pancras Way, London, (General Commercial)	-	0.00	0.00	-	1	B	G4/V3	T	-	-	-	-	
700025	Lulworth, Wrotham Road, London, (General Commercial)	-	0.00	0.00	-	1	B	G4/V3	T	-	-	-	-	
700026	Camley Street, London, (General Commercial)	-	0.00	0.00	-	1	B	G4/V3	T	-	-	-	-	
700026	Cedar Way Industrial Estate, Cedar Way, London, (General Commercial)	-	0.00	0.00	-	2	B	G4/V3	T	-	-	-	-	
700026	Cedar Way Industrial Estate, Cedar Way, London, (General Commercial)	-	0.00	0.00	-	1	B	G4/V3	T	-	-	-	-	
700026	Camley Street, London, (Shopping)	-	0.00	0.00	-	1	B	G4/V3	T	-	-	-	-	
700026	Cedar Way Industrial Estate, Cedar Way, London, (Shopping)	-	0.00	0.00	-	3	B	G4/V3	T	-	-	-	-	
700026	Cedar Way Industrial Estate, Cedar Way, London, (Shopping)	-	0.00	0.00	-	3	B	G4/V3	T	-	-	-	-	
700026	Cedar Way Industrial Estate, Cedar Way, London, (Shopping)	-	0.00	0.00	-	1	B	G4/V3	T	-	-	-	-	
700026	Cedar Way Industrial Estate, Cedar Way, London, (General Commercial)	-	0.00	0.00	-	1	B	G4/V3	T	-	-	-	-	
700026	Cedar Way Industrial Estate, Cedar Way, London, (General Commercial)	-	0.00	0.00	-	2	B	G4/V3	T	-	-	-	-	
700026	Cedar Way Industrial Estate, Cedar Way, London, (General Commercial)	-	0.00	0.00	-	2	B	G4/V3	T	-	-	-	-	
700026	Cedar Way Industrial Estate, Cedar Way, London, (General Commercial)	-	0.00	0.00	-	1	B	G4/V3	T	-	-	-	-	

Assessment location		Impact criteria				Significance criteria								Significant effect
		Ground-borne sound level dB L <sub>pASmax</sub>	VDV m/s <sup>1.75</sup> Daytime (07:00 - 23:00)	VDV m/s <sup>1.75</sup> Night time (23:00 - 07:00)	% increase or decrease in VDV	Number of impacts represented	Type of effect	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation effect	
ID	Area represented													
700032	Chalk Farm Road, London, (Office)	-	0.19	0.09	-	3	B	G4/V3	T	-	-	-	-	
700037	The Arches, Castlehaven Road, London, (Office)	-	0.00	0.00	-	1	B	G4/V3	T	-	-	-	-	
700037	Castlehaven Road, London, (General Commercial)	-	0.00	0.00	-	1	B	G4/V3	T	-	-	-	-	
700037	James Cameron House, Castlehaven Road, London, (Office)	-	0.00	0.00	-	11	B	G4/V3	T	-	-	-	-	
700038	Camden High Street, London, (Shopping)	-	0.00	0.00	-	2	B	G4/V3	T	-	-	-	-	
700038	Camden High Street, London, (General Commercial)	-	0.00	0.00	-	2	B	G4/V3	T	-	-	-	-	
700038	Camden High Street, London, (General Commercial)	-	0.00	0.00	-	1	B	G4/V3	T	-	-	-	-	
700038	Camden High Street, London, (General Commercial)	-	0.00	0.00	-	1	B	G4/V3	T	-	-	-	-	
700038	The Canal Building, Kentish Town Road, London, (General Commercial)	-	0.00	0.00	-	1	B	G4/V3	T	-	-	-	-	
700038	Hawley Crescent, London, (General Commercial)	-	0.00	0.00	-	1	B	G4/V3	T	-	-	-	-	
700038	Camden High Street, London, (Shopping)	-	0.00	0.00	-	1	B	G4/V3	T	-	-	-	-	
700038	Camden High Street, London, (General Commercial)	-	0.00	0.00	-	2	B	G4/V3	T	-	-	-	-	
700038	Camden High Street, London, (General Commercial)	-	0.00	0.00	-	1	B	G4/V3	T	-	-	-	-	
700042	Leybourne Road, London, (Car Dealer)	-	0.00	0.00	-	1	B	G4/V3	T	-	-	-	-	
700043	Twyman House, Bonny Street, London,	-	0.00	0.00	-	1	B	G4/V3	T	-	-	-	-	

Assessment location		Impact criteria				Significance criteria								Significant effect
		Ground-borne sound level dB L <sub>pASmax</sub>	VDV m/s <sup>1.75</sup> Daytime (07:00 - 23:00)	VDV m/s <sup>1.75</sup> Night time (23:00 – 07:00)	% increase or decrease in VDV	Number of impacts represented	Type of effect	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation effect	
	(General Commercial)													
700043	Camden Street, London, (General Commercial)	-	0.00	0.00	-	1	B	G4/V3	T	-	-	-	-	
700043	Camden Road, London, (Shopping)	-	0.00	0.00	-	1	B	G4/V3	T	-	-	-	-	

## Impact summary





- 4.3.3 The operational ground-borne noise and vibration impacts identified in Table 1 are summarised in Table 2.

Table 2: Summary of operational ground-borne noise and vibration impacts

	Number of ground-borne sound impacts			
	Low	Medium	High	Very High
Residential properties	0	0	0	0
Non-residential properties	0			0
	Number of ground-borne vibration impacts			
	Minor	Moderate	Major	Risk of building damage
Residential properties	0	0	0	0
Non-residential properties	0			0

## Airborne sound: direct impacts and effects

- 4.3.4 The direct effects from the operation of the Proposed Scheme as well as any new, amended or altered roads or railway lines, which are identified as part of the scheme, are presented in Table 3.
- 4.3.5 The assessment information, impact criteria and significance criteria for the assessment of the incorporated mitigation case at residential and non-residential receptors are presented in Table 3. The results should be considered in conjunction with the information contained in map series Sv-02 in the CFA02 Volume 5 sound, noise and vibration map book.
- 4.3.6 Explanation of the Table 3 information is provided in Volume 5: Appendix SV001-000, with the following additional notes.

	Where the significant effect column is marked, then a significant effect is identified at the referenced group of dwellings, or individual residential or non-residential receptor.
	Yellow denotes a minor impact at a residential building – a change is of 3-5 dB
	Orange denotes a moderate impact at a residential building – a change is of 5-10 dB
	Red denotes a major impact at a residential building – a change is of >10 dB
*	Day - $L_{pAeq,07:00-23:00}$
**	Night - $L_{pAeq,23:00-07:00}$
***	Max - $L_{pAFMax}$ In the Proposed Scheme only column, two values are presented. The first is the value for the HS2 mitigated train and the second is the value for the TSI compliant train. For further information refer to Volume 5: Appendix SV-001-000.
****	Where the Proposed Scheme modifies an existing source, i.e. road or railway realignments, the <i>Proposed Scheme only</i> level in the table includes the sound from the modified source. In this situation the <i>Do something (Opening year baseline + Year 15 traffic)</i> level has been corrected so as to not double count the sound associated with the road or railway on its new and existing alignment.
A	Adverse effect
B	For non-residential receptors further detail about the type of effect is set out in the text of Appendix SV-001-000.

CD	Committed Development. The value in brackets in the number of impacts represented column is the value with the committed development.
G	(G1)Theatres, large auditoria and concert halls, (G2) Sound recording and broadcast studios, (G3) Places of meeting for religious worship, courts, cinemas, lecture theatres, museums and small auditoria or halls, (G4) Schools, colleges, hospitals, hotels and libraries, and (G5) Offices and general commercial premises
H	High existing ambient sound level. Defined as $>65\text{dB}_{\text{Aeq, day}}$ and/or $>55\text{dB}_{\text{Aeq, night}}$
L	Low existing ambient sound level. Defined as $<42\text{dB}_{\text{Aeq, day}}$ and/or $<32\text{dB}_{\text{Aeq, night}}$
LD	Landscape receptor
NA	Generally no adverse effect
NI	The receptor is predicted to qualify for mitigation, which shall be provided to the specification defined in the Noise Insulation (Railways and other Guided Rail Systems) Regulations 1996
R	Residential
RM	Residential mooring
S	Significant adverse effect
SP	Unacceptable adverse effect
U	A change of 3dB or greater has been identified however, the assessment methodology only defines an impact where the absolute sound level from the Proposed Scheme is greater or equal to 50 dB $L_{\text{pAeq, 23:00} - 07:00}$ during the daytime or 40 dB $L_{\text{pAeq, 07:00} - 23:00}$ at night. At the receptor denoted the absolute level condition is not met and therefore no impact is identified.
#	The forecast adverse effects are not considered to be significant on a community basis (further information on methodology is provided in Volume 5: Appendix SV-001-000)..
~	A change of 3dB or greater has been identified however, the impact methodology for non-residential receptors includes a screening criteria for G3 building use of 50 dB $L_{\text{pAeq, 07:00} - 23:00}$ , for G4 building use 55 dB $L_{\text{pAeq, 07:00} - 23:00}$ and 45 dB $L_{\text{pAeq, 23:00} - 07:00}$ , for G5 building use 55 dB $L_{\text{pAeq, 07:00} - 23:00}$ . At the receptor denoted the screening criteria is not met and therefore no impact is identified. Further information is provided in Volume 5: Appendix SV-001-000.
\$	The impact methodology has either identified an impact at a receptor which based upon further qualitative information does not gives rise to a significant effect. Further information is provided at the end of this Appendix.
^	Max - $L_{\text{pAFMax}}$ In the Proposed Scheme only column, two values are presented. The first is the value for the HS2 mitigated train and the second is the value for the TSI compliant train. For further information refer to Volume 5: Appendix SV-001-000.

Table 3: Operational airborne sound level, noise impacts and effects

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
700076	Chalk Farm Road, London	30	19	-/51	72	71	77	72	71	0	0	NA	43	R	T	H	-	-	-	
700081	Belmont Street, London	39	29	-/62	59	56	68	59	56	0	0	NA	133	R	T	H	-	-	-	
700082	Chalk Farm Road, London	44	34	-/68	72	71	77	72	71	0	0	NA	42	R	T	H	-	-	-	
700083	Chalk Farm Road, London	44	34	-/64	72	71	77	72	71	0	0	NA	57	R	T	H	-	-	-	
700148	Hawley Road, London	41	31	-/60	59	58	67	59	58	0	0	NA	10	R	T	H	-	-	-	
700150	Hartland Road, London	36	26	-/54	59	58	67	59	58	0	0	NA	69	R	T	H	-	-	-	
700157	Castlehaven Road, London	41	30	-/61	59	58	67	59	58	0	0	NA	331	R	T	H	-	-	-	
700158	Castlehaven Road, London	47	37	-/68	59	58	67	60	58	0	0	NA	91	R	T	H	-	-	-	
700160	Kentish Town Road, London	48	37	-/68	68	66	76	68	66	0	0	NA	53	R	T	H	-	-	-	
700167	Hartland Road, London	37	27	-/58	59	58	67	59	58	0	0	NA	229	R	T	H	-	-	-	
700169	Camden Road, London	40	29	-/62	67	66	72	67	66	0	0	NA	12	R	T	H	-	-	-	
700175	Camden Street, London	37	26	-/57	66	64	74	66	64	0	0	NA	156	R	T	H	-	-	-	
700178	Royal College Street, London	47	37	-/68	69	68	76	69	68	0	0	NA	19	R	T	H	-	-	-	
700179	Royal College Street, London	40	30	-/59	67	66	72	67	66	0	0	NA	39	R	T	H	-	-	-	
700180	Camden Road, London	43	32	-/62	69	66	76	69	66	0	0	NA	24	R	T	H	-	-	-	
700181	Lyme Street, London	39	28	-/57	69	66	76	69	66	0	0	NA	119	R	T	H	-	-	-	
700182	Jamestown Road, London	39	29	-/60	72	71	77	72	71	0	0	NA	98	R	T	H	-	-	-	
700185	Royal College Street, London	41	30	-/60	56	48	59	56	48	0	0	NA	20	R	T	-	-	-	-	
700187	Royal College Street, St. Pancras And Somers Town	37	27	-/57	67	66	72	67	66	0	0	NA	222	R	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
700193	Royal College Street, London	45	34	-/65	71	70	75	71	70	0	0	NA	27	R	T	H	-	-	-	
700194	Rochester Mews, London	42	32	-/64	50	47	56	51	48	1	0	NA	77	R	T	-	-	-	-	
700195	St. Pancras Way, London	41	31	-/61	71	70	75	71	70	0	0	NA	36	R	T	H	-	-	-	
700196	Jeffreys Street, London	46	35	-/65	59	58	67	60	58	0	0	NA	82	R	T	H	-	-	-	
700198	Jeffreys Place, London	48	37	-/67	59	58	67	60	58	0	0	NA	20	R	T	H	-	-	-	
700199	Royal College Street, London	48	38	-/69	71	70	75	71	70	0	0	NA	36	R	T	H	-	-	-	
700200	Farrier Street, London	43	32	-/62	59	58	67	59	58	0	0	NA	130	R	T	H	-	-	-	
700201	Royal College Street, London	37	27	-/58	71	70	75	71	70	0	0	NA	135	R	T	H	-	-	-	
700203	Rochester Place, London	39	29	-/58	59	58	67	59	58	0	0	NA	29	R	T	H	-	-	-	
700206	Kentish Town Road, London	31	21	-/50	71	70	75	71	70	0	0	NA	123	R	T	H	-	-	-	
700207	Rochester Road, London	31	21	-/49	59	58	67	59	58	0	0	NA	49	R	T	H	-	-	-	
700210	Bartholomew Road, London	31	21	-/51	59	58	67	59	58	0	0	NA	66	R	T	H	-	-	-	
700211	Bartholomew Road, London	31	21	-/49	59	58	67	59	58	0	0	NA	102	R	T	H	-	-	-	
700212	Camden Road, London	37	26	-/57	71	70	75	71	70	0	0	NA	62	R	T	H	-	-	-	
520515	Camden Lock Place, London	65	54	-/87	75	73	87	75	73	0	0	A	19	R	T	H	-	-	-	
529961	Castlehaven Road, London	51	41	-/71	75	73	87	75	73	0	0	A	2	R	T	H	-	-	-	
530457	Camden Gardens, London	49	39	-/70	65	63	75	65	63	0	0	NA	14	R	T	H	-	-	-	
546701	Camden Street, London	57	47	-/79	65	63	75	65	63	1	0	A	10	R	T	H	-	-	-	
546705	Prowse Place, London	57	47	-/79	60	58	87	62	58	2	0	A	12	R	T	H	-	-	-	
546786	Camden Gardens, London	48	37	-/68	65	63	87	65	63	0	0	NA	41	R	T	H	-	-	-	
700000	Regents Park Road, London	31	20	-/67	57	56	87	57	56	0	0	NA	53	R	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
700003	Juniper Crescent, London	47	36	-/73	61	56	87	62	56	0	0	NA	17	R	T	H	-	-	-	
700004	Juniper Crescent, London	61	50	-/81	62	56	87	65	57	2	1	A	18	R	T	H	-	-	-	
700005	Juniper Crescent, London	63	53	-/85	62	56	87	64	57	2	2	A	15	R	T	H	-	-	-	
700006	Camden Street, London	61	50	-/82	64	58	75	63	58	-1	1	A	8	R	T	H	-	-	-	
700007	Ivor Street, London	50	39	-/69	59	58	87	60	58	0	0	A	9	R	T	H	-	-	-	
700008	Ivor Street, London	56	45	-/76	59	58	87	61	58	1	0	A	6	R	T	H	-	-	-	
700009	Royal College Street, London	56	46	-/77	59	58	87	61	58	2	0	A	17	R	T	H	-	-	-	
700010	Royal College Street, London	56	46	-/79	59	58	87	61	58	2	0	A	5	R	T	H	-	-	-	
700011	Camden Road, London	57	47	-/78	71	70	75	72	70	0	0	A	90	R	T	H	-	-	-	
700012	Rousden Street, London	59	49	-/80	60	52	87	62	54	3	2	A	16	R	T	-	-	-	-	OSV02-C01
700013	Royal College Street, London	58	48	-/81	60	58	87	62	58	2	0	A	20	R	T	H	-	-	-	
700014	Baynes Street, London	51	40	-/72	63	62	87	64	62	0	0	A	26	R	T	H	-	-	-	
700015	Baynes Street, London	65	54	-/87	64	57	87	67	59	3	2	A	13	R	SP	H	-	-	-	~
700016	Randolph Street, London	55	45	-/76	54	50	87	58	51	3	1	A	9	R	T	-	-	-	-	OSV02-C01
700017	St. Pancras Way, London	58	48	-/79	59	51	87	61	53	3	2	A	15	R	T	-	-	-	-	OSV02-C01
700018	Baynes Street, London	63	52	-/80	69	66	75	70	66	1	0	A	80	R	T	H	-	-	-	
700019	Wrotham Road, London	59	49	-/73	60	52	87	63	54	3	2	A	22	R	T	-	-	-	-	OSV02-C01
700021	Agar Place, London	51	41	-/71	50	47	87	54	48	4	1	A	4	R	T	-	-	-	-	OSV02-C01
700023	Barker Drive, London	48	37	-/67	52	50	87	54	50	1	0	NA	101	R	T	-	-	-	-	
700024	Barker Drive, London	53	42	-/74	54	50	87	56	50	2	1	A	20	R	T	-	-	-	-	
700025	Wrotham Road, London	55	45	-/75	55	50	87	56	49	1	0	A	154	R	T	-	-	-	-	



Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
700026	Barker Drive, London	51	41	-/75	55	50	87	54	48	-1	-1	A	87	R	T	-	-	-	-	
700027	St. Pauls Crescent, London	48	37	-/68	58	51	87	58	51	0	0	NA	16	R	T	-	-	-	-	
700028	Maiden Lane, London	46	36	-/66	59	51	87	59	51	0	0	NA	83	R	T	-	-	-	-	
700029	Allensbury Place, London	45	35	-/63	58	51	87	58	51	0	0	NA	79	R	T	-	-	-	-	
700030	Rufford Street, London	41	30	-/68	56	48	59	56	48	0	0	NA	61	R	T	-	-	-	-	
700031	Rufford Street, London	41	30	-/67	56	48	59	56	48	0	0	NA	4	R	T	-	-	-	-	
700033	Juniper Crescent, London	35	25	-/59	58	56	87	58	56	0	0	NA	11	R	T	H	-	-	-	
700034	Chalk Farm Road, London	50	40	-/72	72	71	75	72	71	0	0	A	122	R	T	H	-	-	-	
700035	Chalk Farm Road, London	60	50	-/82	75	73	75	75	73	0	0	A	31	R	T	H	-	-	-	
700037	Castlehaven Road, London	59	48	-/79	75	73	87	75	73	0	0	A	2	R	T	H	-	-	-	
700038	Hawley Crescent, London	50	39	-/74	59	56	87	60	56	0	0	A	9	R	T	H	-	-	-	
700039	Castlehaven Road, London	48	37	-/67	64	56	75	64	56	0	0	NA	8	R	T	H	-	-	-	
700040	Hawley Road, London	44	34	-/64	59	56	87	60	56	0	0	NA	5	R	T	H	-	-	-	
700042	Kentish Town Road, London	55	44	-/76	68	66	87	68	66	0	0	A	1	R	T	H	-	-	-	
700043	Bonny Street, London	45	34	-/70	59	58	87	60	58	0	0	NA	18	R	T	H	-	-	-	
700084	Ferdinand Street, London	41	31	-/63	59	56	68	59	56	0	0	NA	64	R	T	H	-	-	-	
700086	Clarence Way, London	38	28	-/57	59	58	67	59	58	0	0	NA	57	R	T	H	-	-	-	
700088	Harmood Street, London	35	24	-/56	59	56	68	59	56	0	0	NA	120	R	T	H	-	-	-	
700090	Harmood Street, London	39	28	-/60	59	56	68	59	56	0	0	NA	332	R	T	H	-	-	-	
700132	Gilbeys Yard, London	48	38	-/70	57	54	68	58	54	1	0	NA	102	R	T	-	-	-	-	
700143	Parkway, Camden Town With Primrose Hill	35	25	-/53	66	64	74	66	64	0	0	NA	128	R	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
700145	Buck Street, London	39	29	-/58	66	64	74	66	64	0	0	NA	44	R	T	H	-	-	-	
700146	Hawley Crescent, London	43	32	-/62	66	64	74	66	64	0	0	NA	34	R	T	H	-	-	-	
700214	Camden Road, London	34	24	-/54	71	70	75	71	70	0	0	NA	111	R	T	H	-	-	-	
700215	St. Pancras Way, London	47	36	-/67	67	64	77	67	64	0	0	NA	193	R	T	H	-	-	-	
700216	Rochester Square, Cantelowes	36	25	-/55	63	62	73	63	62	0	0	NA	28	R	T	H	-	-	-	
700217	Rochester Square, London	40	29	-/60	50	47	56	50	47	0	0	NA	45	R	T	-	-	-	-	
700218	Rochester Square, London	35	24	-/54	50	47	56	50	47	0	0	NA	10	R	T	-	-	-	-	
700219	Agar Grove, London	44	33	-/63	63	62	73	63	62	0	0	NA	157	R	T	H	-	-	-	
700223	Murray Street, London	42	31	-/62	50	47	56	51	48	1	0	NA	138	R	T	-	-	-	-	
700225	St. Augustines Road, London	32	22	-/54	50	47	56	50	47	0	0	NA	142	R	T	-	-	-	-	
700228	Agar Grove, London	37	27	-/56	63	62	73	63	62	0	0	NA	155	R	T	H	-	-	-	
700232	Agar Grove, London	47	37	-/69	50	47	56	52	48	2	0	NA	44	R	T	-	-	-	-	
700234	Agar Grove, London	53	42	-/73	50	47	56	55	49	4	1	A	32	R	T	-	-	-	-	OSV02-Co1
700236	Springbank Walk, London	42	32	-/63	67	64	77	67	64	0	0	NA	88	R	T	H	-	-	-	
700237	Springbank Walk, London	44	34	-/65	56	48	59	56	48	0	0	NA	37	R	T	-	-	-	-	
700238	Linkwood Walk, London	43	33	-/64	56	48	59	56	48	0	0	NA	40	R	T	-	-	-	-	
700239	St. Pauls Mews, London	41	30	-/61	56	48	59	56	48	0	0	NA	78	R	T	-	-	-	-	
700240	St. Pauls Mews, London	37	27	-/56	56	48	59	56	48	0	0	NA	51	R	T	-	-	-	-	
700243	Maiden Lane, London	40	30	-/62	56	48	59	56	48	0	0	NA	135	R	T	-	-	-	-	
700244	Broadfield Lane, London	48	37	-/67	67	64	77	67	64	0	0	NA	210	R	T	H	-	-	-	
700245	Elm Friars Walk, London	40	29	-/60	56	48	59	56	48	0	0	NA	138	R	T	-	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
700246	College Grove, London	38	27	-/56	67	64	77	67	64	0	0	NA	64	R	T	H	-	-	-	
700248	St. Pancras Way, London	42	32	-/62	56	48	59	56	48	0	0	NA	157	R	T	-	-	-	-	
700249	St. Pancras Way, London	39	29	-/58	56	48	59	56	48	0	0	NA	57	R	T	-	-	-	-	
700250	Bergholt Mews, London	40	30	-/60	56	48	59	56	48	0	0	NA	58	R	T	-	-	-	-	
700251	Weavers Way, London	43	32	-/63	56	48	59	56	48	0	0	NA	97	R	T	-	-	-	-	
700252	Crofters Way, London	37	26	-/56	56	48	59	56	48	0	0	NA	32	R	T	-	-	-	-	
700253	Crofters Way, London	41	31	-/61	56	48	59	56	48	0	0	NA	60	R	T	-	-	-	-	
700254	Randells Road, London	40	29	-/65	56	48	59	56	48	0	0	NA	53	R	T	-	-	-	-	
700255	Wheeler Gardens, London	34	24	-/56	56	48	59	56	48	0	0	NA	121	R	T	-	-	-	-	
700257	Bingfield Street, London	33	23	-/59	56	48	59	56	48	0	0	NA	162	R	T	-	-	-	-	
700258	Wellington Square, London	27	17	-/48	56	48	59	56	48	0	0	NA	195	R	T	-	-	-	-	
700260	Cowdenbeath Path, London	24	15	-/47	56	48	59	56	48	0	0	NA	177	R	T	-	-	-	-	
700261	Earlsferry Way, London	33	22	-/59	56	48	59	56	48	0	0	NA	268	R	T	-	-	-	-	
700262	Tayport Close, London	32	21	-/59	56	48	59	56	48	0	0	NA	244	R	T	-	-	-	-	
700263	Carnoustie Drive, Caledonian	19	10	-/40	56	48	59	56	48	0	0	NA	124	R	T	-	-	-	-	
700265	Outram Place, London	33	22	-/55	56	48	59	56	48	0	0	NA	151	R	T	-	-	-	-	
700266	York Way, London	32	23	-/57	56	48	59	56	48	0	0	NA	136	R	T	-	-	-	-	
700267	Gifford Street, London	34	24	-/63	56	48	59	56	48	0	0	NA	178	R	T	-	-	-	-	
700396	Agar Grove, London	49	38	-/70	56	48	59	57	48	1	0	NA	31	R	T	-	-	-	-	
700397	Camden Road, London	48	38	-/70	71	70	75	71	70	0	0	NA	76	R	T	H	-	-	-	
700398	Camden Street, London	47	36	-/67	68	66	76	68	66	0	0	NA	16	R	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
700399	Kentish Town Road, London	49	38	-/70	64	60	76	64	60	0	0	NA	6	R	T	H	-	-	-	
700400	Torbay Street, London	51	41	-/72	59	58	67	60	58	1	0	A	9	R	T	H	-	-	-	
700401	Juniper Crescent, London	36	26	-/57	58	56	65	58	56	0	0	NA	59	R	T	H	-	-	-	
709508	Georgiana Street, London	38	27	-/57	69	66	76	69	66	0	0	NA	83	R	T	H	-	-	-	
709509	Bartholomew Road, Cantelowes	31	21	-/50	59	58	67	59	58	0	0	NA	8	R	T	H	-	-	-	
711020	Committed Development CFA2/6	54	44	-/74	56	48	59	58	49	2	1	A	-	CD	T	-	-	-	-	
711021	Committed Development CFA2/7	42	32	-/62	54	46	59	55	46	0	0	NA	-	CD	T	-	-	-	-	
711023	Committed Development CFA2/8	42	32	-/63	56	48	59	56	48	0	0	NA	-	CD	T	-	-	-	-	
520515	Middle Yard, Camden Lock Place, London, (Shopping)	65	54	-/87	75	73	87	75	73	0	0	B	2	G5	T	H	-	-	-	
520515	Camden Lock Place London, (Shopping)	65	54	-/87	75	73	87	75	73	0	0	B	3	G5	T	H	-	-	-	
520515	Camden Lock Place (General Commercial)	65	54	-/87	75	73	87	75	73	0	0	B	16	G5	T	H	-	-	-	
520515	Camden Lock Place London, (Research)	65	54	-/87	75	73	87	75	73	0	0	B	31	G5	T	H	-	-	-	
520515	Camden Lock Place (General Commercial)	65	54	-/87	75	73	87	75	73	0	0	B	2	G5	T	H	-	-	-	
521054	The Stables Market, Chalk Farm Road (General	62	52	-/84	57	56	70	64	57	6	2	B	25	G5	T	-	-	-	-	^

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ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
	Commercial)																			
530427	Water Lane, London, (Office)	64	53	-/87	64	56	87	67	58	3	2	B	4	G5	T	-	-	-	-	^
530427	Water Lane, London, (General Commercial)	64	53	-/87	64	56	87	67	58	3	2	B	4	G5	T	-	-	-	-	^
530443	Kentish Town Road, London, (Office)	62	51	-/84	68	66	75	69	66	1	0	B	1	G5	T	H	-	-	-	
546701	Camden Street, London, (Shopping)	57	47	-/79	65	63	75	65	63	1	0	B	1	G5	T	H	-	-	-	
546705	Prowse Place, London, (General Commercial)	57	47	-/79	60	58	87	62	58	2	0	B	5	G5	T	-	-	-	-	
546705	Bonny Street, London, (General Commercial)	57	47	-/79	60	58	87	62	58	2	0	B	8	G5	T	-	-	-	-	
700006	Camden Street, London, (General Commercial)	61	50	-/82	64	58	75	63	58	-1	1	B	1	G5	T	-	-	-	-	
700007	Jeffreys Place, London, (General Commercial)	50	39	-/69	59	58	87	60	58	0	0	B	3	G5	T	-	-	-	-	
700009	Royal College Street (General Commercial)	56	46	-/77	59	58	87	61	58	2	0	B	4	G5	T	-	-	-	-	
700010	Royal College Street (General Commercial)	56	46	-/79	59	58	87	61	58	2	0	B	1	G5	T	-	-	-	-	
700011	Royal College Street, London (office)	57	47	-/78	71	70	75	72	70	0	0	B	1	G5	T	H	-	-	-	
700011	Execo House, Royal College Street (General Commercial)	57	47	-/78	71	70	75	72	70	0	0	B	2	G5	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
700011	Camden Road, London, (General Commercial)	57	47	-/78	71	70	75	72	70	0	0	B	7	G5	T	H	-	-	-	
700011	Royal College Street, (General Commercial)	57	47	-/78	71	70	75	72	70	0	0	B	1	G5	T	H	-	-	-	
700012	Camden Road, London, (General Commercial)	59	49	-/80	60	52	87	62	54	3	2	B	6	G5	T	-	-	-	-	^
700013	Royal College Street, (General Commercial)	58	48	-/81	60	58	87	62	58	2	0	B	5	G5	T	-	-	-	-	
700014	Bruges Place, Baynes Street, London, (Office)	51	40	-/72	63	62	87	64	62	0	0	B	5	G5	T	H	-	-	-	
700014	Royal College Street, (General Commercial)	51	40	-/72	63	62	87	64	62	0	0	B	2	G5	T	H	-	-	-	
700014	Nora Leverton Court, Randolph Street (General Commercial)	51	40	-/72	63	62	87	64	62	0	0	B	2	G5	T	H	-	-	-	
700017	Randolph Street, London, (General Commercial)	58	48	-/79	59	51	87	61	53	3	2	B	1	G5	T	-	-	-	-	^
700022	Agar Children's Centre (Community centre)	48	38	/-68	50	47	56	52	48	2	1	B	1	G3	T	-	-	-	-	
700023	St. Pancras Way, London, (General Commercial)	48	37	-/67	52	50	87	54	50	1	0	B	1	G5	T	-	-	-	-	
700025	Lulworth, Wrotham Road, (General Commercial)	55	45	-/75	55	50	87	56	49	1	0	B	1	G5	T	-	-	-	-	
700026	Camley Street, London, (General Commercial)	51	41	-/75	55	50	87	54	48	-1	-1	B	2	G5	T	-	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
700026	Cedar Way Industrial Estate, Cedar Way, London, (General Commercial)	51	41	-/75	55	50	87	54	48	-1	-1	B	16	G5	T	-	-	-	-	
700028	Maiden Lane Community Centre, St. Pauls Crescent, London, (Community Centre)	46	36	-/66	59	51	87	59	51	0	0	B	1	G3	T	-	-	-	-	
700030	Rufford Street, London, (General Commercial)	41	30	-/68	56	48	59	56	48	0	0	B	20	G5	T	-	-	-	-	
700031	Rufford Street, London, (General Commercial)	41	30	-/67	56	48	59	56	48	0	0	B	8	G5	T	-	-	-	-	
700031	Gifford Street, London, (Shopping)	41	30	-/67	56	48	59	56	48	0	0	B	2	G5	T	-	-	-	-	
700032	Roundhouse Theatre, London (Theatre)	53	43	-/84	66	59	87	66	59	0	0	B	3	G3	T	H	-	-	-	
700034	Chalk Farm Road, London, (General Commercial)	50	40	-/72	72	71	75	72	71	0	0	B	17	G5	T	H	-	-	-	
700034	Kent House, Ferdinand Street, London, (General Commercial)	50	40	-/72	72	71	75	72	71	0	0	B	1	G5	T	H	-	-	-	
700034	Ferdinand Street, London, (General Commercial)	50	40	-/72	72	71	75	72	71	0	0	B	1	G5	T	H	-	-	-	
700034	Belmont Street, London, (Office)	50	40	-/72	72	71	75	72	71	0	0	B	1	G5	T	H	-	-	-	
700034	Ferdinand Street, London, (General Commercial)	50	40	-/72	72	71	75	72	71	0	0	B	1	G5	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
700034	Belmont Street, London, (General Commercial)	50	40	-/72	72	71	75	72	71	0	0	B	2	G5	T	H	-	-	-	
700034	Chalk Farm Road, London, (Club)	50	40	-/72	72	71	75	72	71	0	0	B	1	G5	T	H	-	-	-	
700034	Ferdinand Street, London, (General Commercial)	50	40	-/72	72	71	75	72	71	0	0	B	1	G5	T	H	-	-	-	
700034	Ferdinand Street, London, (Office)	50	40	-/72	72	71	75	72	71	0	0	B	1	G5	T	H	-	-	-	
700035	Chalk Farm Road, London, (General Commercial)	60	50	-/82	75	73	75	75	73	0	0	B	11	G5	T	H	-	-	-	
700037	The Arches, Castlehaven Road, London (Office)	59	48	-/79	75	73	87	75	73	0	0	B	1	G5	T	H	-	-	-	
700037	James Cameron House, Castlehaven Road (Office)	59	48	-/79	75	73	87	75	73	0	0	B	11	G5	T	H	-	-	-	
700037	Castlehaven Road, London, (General Commercial)	59	48	-/79	75	73	87	75	73	0	0	B	1	G5	T	H	-	-	-	
700038	Hawley Crescent, London, (General Commercial)	50	39	-/74	59	56	87	60	56	0	0	B	1	G5	T	-	-	-	-	
700038	The Canal Building, Kentish Town Road (General Commercial)	50	39	-/74	59	56	87	60	56	0	0	B	1	G5	T	-	-	-	-	
700038	Camden High Street, (General Commercial)	50	39	-/74	59	56	87	60	56	0	0	B	10	G5	T	-	-	-	-	
700039	Castlehaven Road, London, (General Commercial)	48	37	-/67	64	56	75	64	56	0	0	B	1	G5	T	-	-	-	-	



Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
700039	The Community Centre, Castlehaven Road (Office)	48	37	-/67	64	56	75	64	56	0	0	B	1	G5	T	-	-	-	-	
700042	Leybourne Road, London, (Car Dealer)	55	44	-/76	68	66	87	68	66	0	0	B	1	G5	T	H	-	-	-	
700043	Camden Street, London, (General Commercial)	45	34	-/70	59	58	87	60	58	0	0	B	2	G5	T	-	-	-	-	
700043	Twyman House, Bonny Street (General Commercial)	45	34	-/70	59	58	87	60	58	0	0	B	1	G5	T	-	-	-	-	
700076	Crogsland Road, London, (Shopping)	30	19	-/51	72	71	77	72	71	0	0	B	1	G5	T	H	-	-	-	
700076	Camden Lock Hotel, Chalk Farm Road, London, (Hotel)	30	19	-/51	72	71	77	72	71	0	0	B	1	G4	T	H	-	-	-	
700076	Haverstock Hill, London, (Office)	30	19	-/51	72	71	77	72	71	0	0	B	1	G5	T	H	-	-	-	
700076	Haverstock Hill, London, (General Commercial)	30	19	-/51	72	71	77	72	71	0	0	B	4	G5	T	H	-	-	-	
700076	The Salvation Army, Haverstock Hill (Church)	30	19	-/51	72	71	77	72	71	0	0	B	1	G3	T	H	-	-	-	
700076	Chalk Farm Road, London, (General Commercial)	30	19	-/51	72	71	77	72	71	0	0	B	4	G5	T	H	-	-	-	
700076	Belmont Street, London, (Shopping)	30	19	-/51	72	71	77	72	71	0	0	B	1	G5	T	H	-	-	-	
700081	Belmont Street, London, (General Commercial)	39	29	-/62	59	56	68	59	56	0	0	B	1	G5	T	-	-	-	-	
700082	Chalk Farm Road, London,	44	34	-/68	72	71	77	72	71	0	0	B	3	G5	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
	(General Commercial)																			
700082	Ferdinand Place, London, (General Commercial)	44	34	-/68	72	71	77	72	71	0	0	B	2	G5	T	H	-	-	-	
700082	Harmood Street, London, (General Commercial)	44	34	-/68	72	71	77	72	71	0	0	B	3	G5	T	H	-	-	-	
700082	Chalk Farm Road, London, (Surgery)	44	34	-/68	72	71	77	72	71	0	0	B	1	G4	T	H	-	-	-	
700083	Chalk Farm Road, London, (General Commercial)	44	34	-/64	72	71	77	72	71	0	0	B	7	G5	T	H	-	-	-	
700086	Holy Trinity Primary School, (Primary School)	38	28	-/57	59	58	67	59	58	0	0	B	1	G4	T	-	-	-	-	
700086	Harmood Street, London, (Shopping)	38	28	-/57	59	58	67	59	58	0	0	B	1	G5	T	-	-	-	-	
700086	Chalcot School, Harmood Street, London, (School)	38	28	-/57	59	58	67	59	58	0	0	B	1	G4	T	-	-	-	-	
700086	Castle Mews, London, (General Commercial)	38	28	-/57	59	58	67	59	58	0	0	B	1	G5	T	-	-	-	-	
700088	Castle Road, London, (General Commercial)	35	24	-/56	59	56	68	59	56	0	0	B	1	G5	T	-	-	-	-	
700088	Prince Of Wales Road, (General Commercial)	35	24	-/56	59	56	68	59	56	0	0	B	1	G5	T	-	-	-	-	
700090	Harmood Community Centre (Community Centre)	39	28	-/60	59	56	68	59	56	0	0	B	3	G3	T	-	-	-	-	
700090	Prince Of Wales Road Group Practice (Clinic)	39	28	-/60	59	56	68	59	56	0	0	B	1	G4	T	-	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
700132	The Interchange, Oval Road, London, (Shopping)	48	38	-/70	57	54	68	58	54	1	0	B	4	G5	T	-	-	-	-	
700143	Parkway, London (Café)	35	25	-/53	66	64	74	66	64	0	0	B	1	G5	T	H	-	-	-	
700143	Camden High Street, (General Commercial)	35	25	-/53	66	64	74	66	64	0	0	B	23	G5	T	H	-	-	-	
700143	Parkway, London, (General Commercial)	35	25	-/53	66	64	74	66	64	0	0	B	6	G5	T	H	-	-	-	
700143	Greenland Street, London, (General Commercial)	35	25	-/53	66	64	74	66	64	0	0	B	3	G5	T	H	-	-	-	
700143	Greenland Place, London (General Commercial)	35	25	-/53	66	64	74	66	64	0	0	B	5	G5	T	H	-	-	-	
700143	Camden Road, London (Café)	35	25	-/53	66	64	74	66	64	0	0	B	1	G5	T	H	-	-	-	
700143	Carnarvon Hotels, Greenland Place, London (Hotel)	35	25	-/53	66	64	74	66	64	0	0	B	3	G4	T	H	-	-	-	
700143	Arlington Road, London (Leisure Centre)	35	25	-/53	66	64	74	66	64	0	0	B	1	G5	T	H	-	-	-	
700143	Odeon Cinema, Parkway, London (Cinema)	35	25	-/53	66	64	74	66	64	0	0	B	2	G3	T	H	-	-	-	
700143	Greenland Place, London, (Office)	35	25	-/53	66	64	74	66	64	0	0	B	1	G5	T	H	-	-	-	
700143	Camden Road, London, (Factory)	35	25	-/53	66	64	74	66	64	0	0	B	1	G5	T	H	-	-	-	
700143	Underhill Street, London, (Office)	35	25	-/53	66	64	74	66	64	0	0	B	1	G5	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
700143	Arlington Road, London, (General commercial)	35	25	-/53	66	64	74	66	64	o	o	B	2	G5	T	H	-	-	-	
700143	Arlington Road, London, (Office)	35	25	-/53	66	64	74	66	64	o	o	B	4	G5	T	H	-	-	-	
700145	Kentish Town Road, London, (General Commercial)	39	29	-/58	66	64	74	66	64	o	o	B	8	G5	T	H	-	-	-	
700145	Camden High Street, (General Commercial)	39	29	-/58	66	64	74	66	64	o	o	B	5	G5	T	H	-	-	-	
700145	Camden Road, London (General Commercial)	39	29	-/58	66	64	74	66	64	o	o	B	2	G5	T	H	-	-	-	
700145	Barnes House, Camden Road (General Commercial)	39	29	-/58	66	64	74	66	64	o	o	B	3	G5	T	H	-	-	-	
700145	United Reformed Church, Buck Street (Church)	39	29	-/58	66	64	74	66	64	o	o	B	2	G3	T	H	-	-	-	
700145	Camden Town Station, Kentish Town Road, London (General Commercial)	39	29	-/58	66	64	74	66	64	o	o	B	1	G5	T	H	-	-	-	
700145	Kentish Town Road, London (Office)	39	29	-/58	66	64	74	66	64	o	o	B	1	G5	T	H	-	-	-	
700146	Stucley Place, London (Office)	43	32	-/62	66	64	74	66	64	o	o	B	1	G5	T	H	-	-	-	
700146	Kentish Town Road, London (General Commercial)	43	32	-/62	66	64	74	66	64	o	o	B	1	G5	T	H	-	-	-	
700146	Hawley Crescent, London (General Commercial)	43	32	-/62	66	64	74	66	64	o	o	B	2	G5	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
700146	Stucley Place, London (General Commercial)	43	32	-/62	66	64	74	66	64	o	o	B	6	G5	T	H	-	-	-	
700146	Grand Union House, Kentish Town Road (General Commercial)	43	32	-/62	66	64	74	66	64	o	o	B	4	G5	T	H	-	-	-	
700146	Camden High Street London (General Commercial)	43	32	-/62	66	64	74	66	64	o	o	B	11	G5	T	H	-	-	-	
700146	Hawley Infant & Nursery School (Pre School Education)	43	32	-/62	66	64	74	66	64	o	o	B	1	G4	T	H	-	-	-	
700146	Buck Street, London (General Commercial)	43	32	-/62	66	64	74	66	64	o	o	B	1	G5	T	H	-	-	-	
700150	Hartland Road, London (Retail Warehouse)	36	26	-/54	59	58	67	59	58	o	o	B	1	G5	T	-	-	-	-	
700157	Castlehaven Road, London (Shopping)	41	30	-/61	59	58	67	59	58	o	o	B	1	G5	T	-	-	-	-	
700157	Castle Road, London (General Commercial)	41	30	-/61	59	58	67	59	58	o	o	B	3	G5	T	-	-	-	-	
700157	Kentish Town Road, London (General Commercial)	41	30	-/61	59	58	67	59	58	o	o	B	8	G5	T	-	-	-	-	
700157	Holy Trinity Church, Hartland Road, London (Church)	41	30	-/61	59	58	67	59	58	o	o	B	1	G3	T	-	-	-	-	
700160	Kentish Town Road, London (General Commercial)	48	37	-/68	68	66	76	68	66	o	o	B	10	G5	T	H	-	-	-	
700160	Kentish Town Road, London	48	37	-/68	68	66	76	68	66	o	o	B	1	G5	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
	(British Legion Club)																			
700167	Prince Of Wales Road (General Commercial)	37	27	-/58	59	58	67	59	58	0	0	B	2	G5	T	-	-	-	-	
700167	Hadley Street, London (General Commercial)	37	27	-/58	59	58	67	59	58	0	0	B	1	G5	T	-	-	-	-	
700167	Abbeyvet, Prince Of Wales Road (Veterinary Surgery)	37	27	-/58	59	58	67	59	58	0	0	B	1	G5	T	-	-	-	-	
700167	Castlehaven Road, London (General Commercial)	37	27	-/58	59	58	67	59	58	0	0	B	6	G5	T	-	-	-	-	
700167	Castle Road, London (General Commercial)	37	27	-/58	59	58	67	59	58	0	0	B	1	G5	T	-	-	-	-	
700167	Hadley Street, London (General Commercial)	37	27	-/58	59	58	67	59	58	0	0	B	1	G5	T	-	-	-	-	
700169	St. Michaels Church, Camden Road, London, (Church)	40	29	-/62	67	66	72	67	66	0	0	B	1	G3	T	H	-	-	-	
700169	Camden Road, London (General Commercial)	40	29	-/62	67	66	72	67	66	0	0	B	1	G5	T	H	-	-	-	
700175	Camden Road, London (General Commercial)	37	26	-/57	66	64	74	66	64	0	0	B	10	G5	T	H	-	-	-	
700175	Greenland Street, London (Shopping)	37	26	-/57	66	64	74	66	64	0	0	B	8	G5	T	H	-	-	-	
700175	Carol Street, London (General Commercial)	37	26	-/57	66	64	74	66	64	0	0	B	18	G5	T	H	-	-	-	
700175	Carol Street, London, (Shopping)	37	26	-/57	66	64	74	66	64	0	0	B	1	G5	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
700175	Greenland Road, London (General Commercial)	37	26	-/57	66	64	74	66	64	0	0	B	1	G5	T	H	-	-	-	
700178	Royal College Street (General Commercial)	47	37	-/68	69	68	76	69	68	0	0	B	9	G5	T	H	-	-	-	
700179	Royal College Street (General Commercial)	40	30	-/59	67	66	72	67	66	0	0	B	3	G5	T	H	-	-	-	
700180	Shirley House, Camden Road (Police Services)	43	32	-/62	69	66	76	69	66	0	0	B	1	G4	T	H	-	-	-	
700180	Camden Road, London, (General Commercial)	43	32	-/62	69	66	76	69	66	0	0	B	2	G5	T	H	-	-	-	
700181	Lymehouse Studios, Lym Street, London, (Office)	39	28	-/57	69	66	76	69	66	0	0	B	8	G5	T	H	-	-	-	
700181	Georgiana Street, London, (General Commercial)	39	28	-/57	69	66	76	69	66	0	0	B	1	G5	T	H	-	-	-	
700182	Jamestown Road, London, (General Commercial)	39	29	-/60	72	71	77	72	71	0	0	B	6	G5	T	H	-	-	-	
700182	Camden High Street, (General Commercial)	39	29	-/60	72	71	77	72	71	0	0	B	7	G5	T	H	-	-	-	
700182	Camden Wharf, Jamestown Road (General Commercial)	39	29	-/60	72	71	77	72	71	0	0	B	2	G5	T	H	-	-	-	
700182	Bewlay House, Jamestown Road (General Commercial)	39	29	-/60	72	71	77	72	71	0	0	B	1	G5	T	H	-	-	-	
700182	Academic House, Oval Road, London, (Office)	39	29	-/60	72	71	77	72	71	0	0	B	2	G5	T	H	-	-	-	
700182	Holiday Inn, Jamestown	39	29	-/60	72	71	77	72	71	0	0	B	1	G5	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
	Road, London, (Inn)																			
700185	Royal College Street, (General Commercial)	41	30	-/60	56	48	59	56	48	o	o	B	6	G5	T	-	-	-	-	
700185	The Gallery, Royal College Street, London, (Art Gallery)	41	30	-/60	56	48	59	56	48	o	o	B	1	G3	T	-	-	-	-	
700185	McGhee Entertainment, Royal College Street, (Entertainment Centre)	41	30	-/60	56	48	59	56	48	o	o	B	6	G2	T	-	-	-	-	
700185	Bangor Wharf, Georgiana Street (General Commercial)	41	30	-/60	56	48	59	56	48	o	o	B	1	G5	T	-	-	-	-	
700186	Royal College Street, London (General Commercial)	41	31	-/61	67	64	77	67	64	o	o	B	1	G5	T	H	-	-	-	
700186	St. Pancras Commercial Centre, Pratt Street (General Commercial)	41	31	-/61	67	64	77	67	64	o	o	B	8	G5	T	H	-	-	-	
700187	Centro House, Mandela Street, London, (Office)	37	27	-/57	67	66	72	67	66	o	o	B	9	G5	T	H	-	-	-	
700187	Mandela Street, London, (General Commercial)	37	27	-/57	67	66	72	67	66	o	o	B	5	G5	T	H	-	-	-	
700187	Mandela Street, London, (Youth Centre)	37	27	-/57	67	66	72	67	66	o	o	B	1	G3	T	H	-	-	-	
700187	Pratt Street, London, (General Commercial)	37	27	-/57	67	66	72	67	66	o	o	B	1	G5	T	H	-	-	-	
700187	Camden Street, London,	37	27	-/57	67	66	72	67	66	o	o	B	5	G5	T	H	-	-	-	



Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
	(Office)																			
700187	Atelier House, Pratt Street, (General Commercial)	37	27	-/57	67	66	72	67	66	0	0	B	2	G5	T	H	-	-	-	
700194	Koundouros Erika, Rochester Road (Dental Surgery)	42	32	-/64	50	47	56	51	48	1	0	B	1	G4	T	-	-	-	-	
700194	Rochester Mews, London, (General Commercial)	42	32	-/64	50	47	56	51	48	1	0	B	5	G5	T	-	-	-	-	
700194	Optomen Television Ltd, St. Pancras Way (Television Studio)	42	32	-/64	50	47	56	51	48	1	0	B	2	G2	T	-	-	-	-	
700194	St. Pancras Way, London, (Local Government Office)	42	32	-/64	50	47	56	51	48	1	0	B	1	G5	T	-	-	-	-	
700195	St. Pancras Way, London, (General Commercial)	41	31	-/61	71	70	75	71	70	0	0	B	3	G5	T	H	-	-	-	
700199	Royal College Street, (General Commercial)	48	38	-/69	71	70	75	71	70	0	0	B	7	G5	T	H	-	-	-	
700200	Royal College Street, (General Commercial)	43	32	-/62	59	58	67	59	58	0	0	B	1	G5	T	-	-	-	-	
700200	Kentish Town Road, London, (General Commercial)	43	32	-/62	59	58	67	59	58	0	0	B	15	G5	T	-	-	-	-	
700200	Kentish Town Road, London, (Vehicle Driver Training)	43	32	-/62	59	58	67	59	58	0	0	B	1	G4	T	-	-	-	-	
700201	Rochester Place, London (General Commercial)	37	27	-/58	71	70	75	71	70	0	0	B	4	G5	T	H	-	-	-	
700201	St. Andrews Greek Orthodox	37	27	-/58	71	70	75	71	70	0	0	B	2	G3	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
	Church (Church)																			
700203	Rochester Place, London, (Car Dealer)	39	29	-/58	59	58	67	59	58	0	0	B	1	G5	T	-	-	-	-	
700203	Rochester Place, London, (General Commercial)	39	29	-/58	59	58	67	59	58	0	0	B	2	G5	T	-	-	-	-	
700206	Bartholomew Villas, London, (General Commercial)	31	21	-/50	71	70	75	71	70	0	0	B	1	G5	T	H	-	-	-	
700206	Church Of Christ, Prince Of Wales Road (Church)	31	21	-/50	71	70	75	71	70	0	0	B	1	G3	T	H	-	-	-	
700206	Kelly Street, London, (General Commercial)	31	21	-/50	71	70	75	71	70	0	0	B	3	G5	T	H	-	-	-	
700206	Kentish Town Road, London, (General Commercial)	31	21	-/50	71	70	75	71	70	0	0	B	16	G5	T	H	-	-	-	
700206	Kentish Town Congregational Church, Kelly Street, London, (Church)	31	21	-/50	71	70	75	71	70	0	0	B	1	G3	T	H	-	-	-	
700207	St. Andrews Greek School, Rochester Road, London, (School)	31	21	-/49	59	58	67	59	58	0	0	B	1	G4	T	-	-	-	-	
700210	Bartholomew Road, London, (General Commercial)	31	21	-/51	59	58	67	59	58	0	0	B	1	G5	T	-	-	-	-	
700210	Kentish Town Health Centre, Bartholomew Road (Health Centre)	31	21	-/51	59	58	67	59	58	0	0	B	3	G4	T	-	-	-	-	
700212	University College London,	37	26	-/57	71	70	75	71	70	0	0	B	1	G4	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
	Camden Road (University)																			
700212	Woodentops Nursery School, Rochester Road (Nursery)	37	26	-/57	71	70	75	71	70	0	0	B	1	G4	T	H	-	-	-	
700212	Ifor Evans Hall, Camden Road, London	37	26	-/57	71	70	75	71	70	0	0	B	1	G3	T	H	-	-	-	
700214	Camden Road, London, (General Commercial)	34	24	-/54	71	70	75	71	70	0	0	B	1	G5	T	H	-	-	-	
700215	Camden Road, London, (Surgery)	47	36	-/67	67	64	77	67	64	0	0	B	1	G4	T	H	-	-	-	
700215	St. Pancras Way, London, (Hall)	47	36	-/67	67	64	77	67	64	0	0	B	1	G3	T	H	-	-	-	
700216	Camden Community Trust Day Hospital (Hospital)	36	25	-/55	63	62	73	63	62	0	0	B	2	G4	T	H	-	-	-	
700219	Rochester Square, London, (General Commercial)	44	33	-/63	63	62	73	63	62	0	0	B	1	G5	T	H	-	-	-	
700219	Murray Street, London, (General Commercial)	44	33	-/63	63	62	73	63	62	0	0	B	8	G5	T	H	-	-	-	
700219	Deans Video Library, Murray Street, London, (Library)	44	33	-/63	63	62	73	63	62	0	0	B	1	G4	T	H	-	-	-	
700219	Rochester Square, London, (General Commercial)	44	33	-/63	63	62	73	63	62	0	0	B	1	G5	T	H	-	-	-	
700223	St. Augustines Road, (General Commercial)	42	31	-/62	50	47	56	51	48	1	0	B	1	G5	T	-	-	-	-	
700223	Camden Square, London, (General Commercial)	42	31	-/62	50	47	56	51	48	1	0	B	2	G5	T	-	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
700228	Agar Grove, London, (General Commercial)	37	27	-/56	63	62	73	63	62	0	0	B	1	G5	T	H	-	-	-	
700236	St. Pauls Crescent, London, (Shopping)	42	32	-/63	67	64	77	67	64	0	0	B	1	G5	T	H	-	-	-	
700236	St. Pauls Crescent, London, (Office)	42	32	-/63	67	64	77	67	64	0	0	B	1	G5	T	H	-	-	-	
700237	St. Pauls Crescent, London, (General Commercial)	44	34	-/65	56	48	59	56	48	0	0	B	13	G5	T	-	-	-	-	
700240	York Way, London, (Café)	37	27	-/56	56	48	59	56	48	0	0	B	1	G5	T	-	-	-	-	
700240	York Way, London, (Factory)	37	27	-/56	56	48	59	56	48	0	0	B	1	G5	T	-	-	-	-	
700240	Pop Up Theatre Ltd, Brewery Road, London, (Theatre)	37	27	-/56	56	48	59	56	48	0	0	B	3	G1	T	-	-	-	-	
700240	Islington Ambulance Station, (Ambulance station)	37	27	-/56	56	48	59	56	48	0	0	B	1	G4	T	-	-	-	-	
700240	Agar Grove, London, (General Commercial)	37	27	-/56	56	48	59	56	48	0	0	B	1	G5	T	-	-	-	-	
700240	Brewery Road, London, (General Commercial)	37	27	-/56	56	48	59	56	48	0	0	B	10	G5	T	-	-	-	-	
700240	Brandon Road, London, (General Commercial)	37	27	-/56	56	48	59	56	48	0	0	B	1	G5	T	-	-	-	-	
700240	York Way, London, (General Commercial)	37	27	-/56	56	48	59	56	48	0	0	B	1	G5	T	-	-	-	-	
700243	Acorn Production Centre, Blundell Street (General Commercial)	40	30	-/62	56	48	59	56	48	0	0	B	8	G5	T	-	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
700243	Brandon Road, London, (General Commercial)	40	30	-/62	56	48	59	56	48	0	0	B	9	G5	T	-	-	-	-	
700243	Blundell Street, London, (Shopping)	40	30	-/62	56	48	59	56	48	0	0	B	1	G5	T	-	-	-	-	
700243	Ogun Recording Ltd, Tileyard Studios, Tileyard Road, London, (Recording Studio)	40	30	-/62	56	48	59	56	48	0	0	B	3	G2	T	-	-	-	-	
700243	Tileyard Studios, Tileyard Road (General Commercial)	40	30	-/62	56	48	59	56	48	0	0	B	3	G5	T	-	-	-	-	
700243	Blundell Street, London, (Shopping)	40	30	-/62	56	48	59	56	48	0	0	B	2	G5	T	-	-	-	-	
700243	York Way, London, (Office)	40	30	-/62	56	48	59	56	48	0	0	B	3	G5	T	-	-	-	-	
700243	Blundell Street, London, (Shopping)	40	30	-/62	56	48	59	56	48	0	0	B	1	G5	T	-	-	-	-	
700243	York Way, London, (General Commercial)	40	30	-/62	56	48	59	56	48	0	0	B	5	G5	T	-	-	-	-	
700243	Carnevale House, Blundell Street (General Commercial)	40	30	-/62	56	48	59	56	48	0	0	B	1	G5	T	-	-	-	-	
700243	Tileyard Studios, Tileyard Road, (General Commercial)	40	30	-/62	56	48	59	56	48	0	0	B	2	G5	T	-	-	-	-	
700243	Tileyard Studios, Tileyard Road, (General Commercial)	40	30	-/62	56	48	59	56	48	0	0	B	1	G5	T	-	-	-	-	
700244	Vale Royal, London, (General Commercial)	48	37	-/67	67	64	77	67	64	0	0	B	2	G5	T	H	-	-	-	
700244	Tileyard Studios, Tileyard	48	37	-/67	67	64	77	67	64	0	0	B	1	G4	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
	Road (Higher Education)																			
700244	The Fitzpatrick Building, York Way (Education)	48	37	-/67	67	64	77	67	64	o	o	B	5	G4	T	H	-	-	-	
700244	Vale Royal, London, (General Commercial)	48	37	-/67	67	64	77	67	64	o	o	B	1	G5	T	H	-	-	-	
700244	York Way, London (General Commercial)	48	37	-/67	67	64	77	67	64	o	o	B	2	G5	T	H	-	-	-	
700244	Abbot House, Vale Royal (General Commercial)	48	37	-/67	67	64	77	67	64	o	o	B	1	G5	T	H	-	-	-	
700244	N W Commercial Centre, Broadfield Lane (General Commercial)	48	37	-/67	67	64	77	67	64	o	o	B	10	G5	T	H	-	-	-	
700244	Vale Royal, London, (General Commercial)	48	37	-/67	67	64	77	67	64	o	o	B	1	G5	T	H	-	-	-	
700244	Tileyard Studios, Tileyard Road (General Commercial)	48	37	-/67	67	64	77	67	64	o	o	B	23	G5	T	H	-	-	-	
700245	Maiden Lane, London, (Office)	40	29	-/60	56	48	59	56	48	o	o	B	1	G5	T	-	-	-	-	
700246	Royal College Street, London (General Commercial)	38	27	-/56	67	64	77	67	64	o	o	B	1	G5	T	H	-	-	-	
700246	St. Pancras Way, London, (General Commercial)	38	27	-/56	67	64	77	67	64	o	o	B	4	G5	T	H	-	-	-	
700246	Royal Veterinary College, Royal College Street,	38	27	-/56	67	64	77	67	64	o	o	B	1	G4	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
	(Education)																			
700247	St. Pancras Hospital, (Hospital)	33	23	-/53	56	48	59	56	48	o	o	B	1	G3	T	-	-	-	-	
700247	St. Pancras Coroners Court, (Coroners Court)	33	23	-/53	56	48	59	56	48	o	o	B	1	G3	T	-	-	-	-	
700247	Dennis Geffen Annexe, Camley Street, London, (Local Government Office)	33	23	-/53	56	48	59	56	48	o	o	B	1	G5	T	-	-	-	-	
700248	St. Pancras Way, London, (General Commercial)	42	32	-/62	56	48	59	56	48	o	o	B	1	G5	T	-	-	-	-	
700249	Canalside Studios, St. Pancras Way (General Commercial)	39	29	-/58	56	48	59	56	48	o	o	B	4	G5	T	-	-	-	-	
700249	St. Pancras Way, London, (General Commercial)	39	29	-/58	56	48	59	56	48	o	o	B	3	G5	T	-	-	-	-	
700253	Camley Street, London, (General Commercial)	41	31	-/61	56	48	59	56	48	o	o	B	2	G5	T	-	-	-	-	
700253	Jubilee Waterside Centre, Camley Street (General Commercial)	41	31	-/61	56	48	59	56	48	o	o	B	1	G5	T	-	-	-	-	
700253	Camley Street, London, (Factory)	41	31	-/61	56	48	59	56	48	o	o	B	1	G5	T	-	-	-	-	
700254	London City Mission Christian Centres, Randells Road (Church)	40	29	-/65	56	48	59	56	48	o	o	B	1	G3	T	-	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
700254	York Way, London, (General Commercial)	40	29	-/65	56	48	59	56	48	0	0	B	1	G5	T	-	-	-	-	
700254	Randells Road, London, (General Commercial)	40	29	-/65	56	48	59	56	48	0	0	B	2	G5	T	-	-	-	-	
700254	York Way, London, (General Commercial)	40	29	-/65	56	48	59	56	48	0	0	B	1	G5	T	-	-	-	-	
700258	Naish Court Community Centre, Copenhagen Street, London, (Community Centre)	27	17	-/48	56	48	59	56	48	0	0	B	2	G3	T	-	-	-	-	
700260	Cowdenbeath Path, London, (Office)	24	15	-/47	56	48	59	56	48	0	0	B	1	G5	T	-	-	-	-	
700260	Community Centre, Stanmore Street (Community Centre)	24	15	-/47	56	48	59	56	48	0	0	B	1	G3	T	-	-	-	-	
700261	Bingfield Primary Care Centre (Day Care)	33	22	-/59	56	48	59	56	48	0	0	B	1	G4	T	-	-	-	-	
700261	Earlsferry Way, London, (General Commercial)	33	22	-/59	56	48	59	56	48	0	0	B	1	G5	T	-	-	-	-	
700261	Bingfield Street, London, (General Commercial)	33	22	-/59	56	48	59	56	48	0	0	B	1	G5	T	-	-	-	-	
700261	Caledonian Road, London, (General Commercial)	33	22	-/59	56	48	59	56	48	0	0	B	9	G5	T	-	-	-	-	
700263	Coatbridge House, Carnoustie Drive (Hall)	19	10	-/40	56	48	59	56	48	0	0	B	2	G3	T	-	-	-	-	
700263	Lyon Street, London, (Local	19	10	-/40	56	48	59	56	48	0	0	B	1	G5	T	-	-	-	-	



Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
	Government Office)																			
700263	Caledonian Road, London, (General Commercial)	19	10	-/40	56	48	59	56	48	0	0	B	15	G5	T	-	-	-	-	
700265	York Way, London, (General Commercial)	33	22	-/55	56	48	59	56	48	0	0	B	1	G5	T	-	-	-	-	
700266	York Way, London (General commercial)	32	23	-/57	56	48	59	56	48	0	0	B	4	G5	T	-	-	-	-	
700266	Kings Cross Freight Depot, York Way (Training)	32	23	-/57	56	48	59	56	48	0	0	B	1	G4	T	-	-	-	-	
700266	Camley Street Natural Park, Camley Street (Office)	32	23	-/57	56	48	59	56	48	0	0	B	1	G5	T	-	-	-	-	
700266	St. Pancras Yacht Basin, Camley Street (Club)	32	23	-/57	56	48	59	56	48	0	0	B	1	G5	T	-	-	-	-	
700266	Regeneration House, York Way, London, (Office)	32	23	-/57	56	48	59	56	48	0	0	B	1	G5	T	-	-	-	-	
700267	Christ Apostolic Church, Gifford Street (Church)	34	24	-/63	56	48	59	56	48	0	0	B	1	G3	T	-	-	-	-	
700267	Pembroke Street, London, (General Commercial)	34	24	-/63	56	48	59	56	48	0	0	B	1	G5	T	-	-	-	-	
700397	Camden Road, London, (General Commercial)	48	38	-/70	71	70	75	71	70	0	0	B	13	G5	T	H	-	-	-	
700398	Camden Street, London, (Office)	47	36	-/67	68	66	76	68	66	0	0	B	7	G5	T	H	-	-	-	
709508	Pratt Street, London, (General Commercial)	38	27	-/57	69	66	76	69	66	0	0	B	7	G5	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
709508	All Saints Greek Orthodox Church, (Church)	38	27	-/57	69	66	76	69	66	0	0	B	1	G3	T	H	-	-	-	
709508	St. Michael's Camden Town C of E Primary School (Primary School)	38	27	-/57	69	66	76	69	66	0	0	B	1	G4	T	H	-	-	-	
709508	Our Lady's RC Primary School (Primary School)	38	27	-/57	69	66	76	69	66	0	0	B	1	G4	T	H	-	-	-	
709509	Camden School For Girls, (Secondary School)	31	21	-/50	59	58	67	59	58	0	0	B	1	G4	T	-	-	-	-	

### Direct impact - Summary

4.3.7 The operational airborne noise impacts identified in Table 3 are summarised in Table 4.

Table 4: Summary of operational airborne sound impacts

Receptor	Number of impacts		
	Minor	Moderate	Major
Residential properties	111	0	0
Non-residential properties	15	25	0
Quiet areas	None	None	None

## 4.4 Assessment of impacts and effects

### Residential receptors: direct effects - individual buildings

4.4.2 The mitigation measures will reduce noise inside all dwellings such that it will not reach a level where it would significantly affect residents.

4.4.3 Whilst the maximum sound level criteria is exceeded at the residential buildings on Camden Lock Place closest to the Proposed Scheme, represented by receptor reference 520515, current maximum levels are greater than those predicted to be experienced as a result of the Proposed Scheme and therefore no impact has been identified at these dwellings.

### Residential receptors: direct effects – communities

4.4.4 The mitigation measures in this area will avoid adverse noise effects on the majority of residential community areas along the route of the Proposed Scheme.

4.4.5 Taking account of the envisaged mitigation, Map Series SV-02 (Volume 5, CFA2 Map book) shows the long term 40dB<sup>2</sup> night-time sound level contour from the operation of trains on the Proposed Scheme. The extent of the 40dB night-time sound level contour is equivalent to, or slightly larger than, the 50dB daytime contour<sup>3</sup>. In general, below these levels adverse effects are not expected.

4.4.6 Above 40dB during the night and 50dB during the day the effect of noise is dependent on the baseline sound levels in that area and the change in sound level (magnitude of effect) brought about by the Proposed Scheme. The airborne noise impacts and effects forecast for the operation of the scheme are presented on Map Series SV-02 (Volume 5, CFA2 Map Book).

<sup>2</sup> Defined as the equivalent continuous sound level from 23:00 to 07:00 or  $L_{pAeq,night}$ .

<sup>3</sup> With the train flows described in the assumptions section of this CFA Report, the daytime sound level (defined as the equivalent continuous sound level from 07:00 to 23:00 or  $L_{pAeq,day}$ ) from the Proposed Scheme would be approximately 10dB higher than the night-time sound level. The 40dB contour therefore indicates the distance from the Proposed Scheme at which the daytime sound level would be 50dB.

- 4.4.7 The changes in noise levels are likely to affect the acoustic character of the area such that there is a perceived change in the quality of life and are considered to be significant when assessed on a community basis taking account of the local context.
- 4.4.8 Approximately 15 properties on Baynes Street have been identified as being subject to an observed adverse noise effect; these effects are likely to be considered as an effect on the acoustic character of the area such that there is a perceived change in the quality of life. However, these dwellings overlook the existing railway and consideration of this existing source has been included within the building design, and therefore the impact at this residential receptor will not result in a significant observed adverse noise effect within these dwellings.
- 4.4.9 The direct adverse effects<sup>4</sup> on the areas of the residential communities identified in Table 5 are considered to be significant.

Table 5: Adverse effects of operational noise and vibration that are considered to be significant on a community basis

Significant effect number (see Map Series SV-02, Table 1 and 3)	Source of significant effect	Time of day	Location and details
OSV02-Co1	Airborne noise increase from new train services	Daytime and night-time	Approximately 100 dwellings in the vicinity of Rousden Street, Randolph Street, St Pancras Way, Wrotham Road, Agar Place and Agar Grove. Forecast increases in sound from the railway are likely to cause a minor adverse effect on the acoustic character of the area around the closest properties.

- 4.4.10 Replacing the track bed and bridges on the North London Line (NLL) as well as improvement works to the viaducts is likely to result in a reduction in the ground-borne vibration currently felt in adjacent dwellings as some freight moves along the line, particularly at night. The Proposed Scheme is also likely to reduce the structure-radiated noise currently generated when existing trains pass over the existing NLL bridges.

### Residential receptors: indirect effects

- 4.4.11 The transport assessment presented in Volume 5: Appendix TR-001-000, has been used to identify those roads or railways within this study area where the alignment remains as at present, but a change in flow or composition is identified which is greater than the screening criteria defined in Volume 5: Appendix SV-001-000. No roads or railways which exceed the criteria defined in Volume 5: Appendix SV-001-000 have been identified in this study area.
- 4.4.12 The assessment of operational noise and vibration indicates that significant indirect effects on residential receptors are unlikely to occur in this area.

<sup>4</sup> Information is provided in the emerging National Planning Practice Guidance – Noise <http://planningguidance.planningportal.gov.uk>, e.g. the table summarising the noise exposure hierarchy.

## Non-residential receptors: direct effects

- 4.4.13 The assessment has identified airborne noise impacts at The Stables Market on Chalk Farm Road, Offices on Water Lane, commercial premises on Camden Road and Randolph Street, represented by receptor references 521054, 530427, 700012 and 700017.

### *The Stables Market, Chalk Farm Road*

- 4.4.14 A moderate impact has been identified based upon the change in the airborne noise level outside this receptor, reference 521054. An assessment has been undertaken to determine if this impact would result in a likely significant observed adverse noise effect at this non-residential receptor, using the significance criteria detailed in Volume 5: Appendix 001-000.
- 4.4.15 The Stables Market is a permanent market in Camden, occupied by a large number of small retail and food outlets, with more sensitive areas, such as restaurants and gallery spaces located towards Chalk Farm Road, away from the existing railway viaduct. The prediction is made at the worst-affected part of the Market and levels further from the existing viaduct will be appreciably lower and below the screening criteria for the more sensitive areas.
- 4.4.16 Considering the layout of the market, the existing transportation sound levels and the use and sensitivity of those units closest to the Proposed Scheme, the impact at this non-residential receptor is not likely to result in a significant observed adverse noise effect.

### *Water Lane offices*

- 4.4.17 A minor impact has been identified based upon the change in the airborne noise level incident outside this receptor, reference 530427. An assessment has been undertaken to determine if this impact would result in a likely significant observed adverse noise effect at this non-residential receptor, using the significance criteria detailed in Volume 5: Appendix 001-000.
- 4.4.18 The receptor represents the office accommodation at 1-6 Water Lane and Waterside House, 47 Kentish Town Road. The offices are 4 storey office blocks, constructed of brick and double glazed window units. It is believed that ventilation for each block is provided by air conditioning.
- 4.4.19 The sound insulation that would be provided by this building shell and ventilation arrangement is likely to be substantially greater than the assumption of open windows that forms the basis if the relevant screening criterion defined for this category of building in Volume 5: Appendix SV-001-000. The incident sound levels forecast in Table 3 outside this receptor are therefore unlikely to give rise to a significant observed adverse effect inside this receptor.

### *Camden Road (near to Rousden Road )*

- 4.4.20 A minor impact has been identified based upon the change in the ambient noise level incident at this receptor, reference 700012. An assessment has been undertaken to determine if this impact would result in a likely significant observed adverse noise effect at this non-residential receptor, using the significance criteria detailed in Appendix 001-000.
- 4.4.21 This receptor represents retail accommodation on the ground floor, currently occupied by a nail salon, a restaurant and a dry cleaners with residential accommodation above. The sound level presented for Proposed Scheme at this receptor is for the upper floors, which will be appreciably lower at the ground floor. Furthermore, the prediction is made to the rear façade of these buildings, as this is the more exposed façade, and it is believed that the windows on this aspect are not adjacent to noise sensitive spaces. The incident sound levels forecast outside this receptor at ground floor are therefore unlikely to give rise to levels inside the more sensitive parts of the ground floor commercial premises that exceed the screening criteria set out in appendix SV-001-000 and therefore noise from the operation of the Proposed scheme is unlikely to result in a significant observed adverse noise effect inside this receptor.

### *Randolph Street*

- 4.4.22 A minor impact has been identified based upon the change in the ambient noise level incident at this receptor, reference 700017. An assessment has been undertaken to determine if this impact is to result in a likely significant observed adverse noise effect at this non-residential receptor, using the significance criteria detailed in Appendix SV-001-000.
- 4.4.23 This receptor represents the Colonel Fawcett Public House, which occupies the ground floor. The sound level presented for Proposed Scheme at this receptor is for the upper floors, and will be appreciably lower than presented at the ground floor.
- 4.4.24 Furthermore, the prediction is made to the rear façade of these buildings, as this is the more exposed façade, and it is believed that the windows on this aspect are not adjacent to noise sensitive spaces. The incident sound levels forecast outside this receptor at ground floor are therefore unlikely to give rise to levels inside the more sensitive parts of the ground floor commercial premises that exceed the screening criteria set out in Appendix SV-001-000 and therefore noise from the operation of the Proposed scheme is unlikely to result in a significant observed adverse noise effect inside this receptor.

### *Summary*

- 4.4.25 The assessment of operational noise and vibration indicates that significant direct effects on non-residential receptors are unlikely to occur in this area.

### **Non-residential receptors: indirect effects**

- 4.4.26 The transport assessment presented in Volume 5: Appendix TR-001-000, has been used to identify those roads or railways within this study area where the alignment remains as at present, but a change in flow or composition is identified which is greater than the screening criteria defined in Volume 5: Appendix SV-001-000. No roads or railways which exceed the criteria defined in Volume 5: Appendix SV-001-000 have been identified in this study area.
- 4.4.27 The assessment of operational noise and vibration indicates that significant indirect effects are unlikely to occur on non-residential receptors in this area.

### **Cumulative effects**

- 4.4.28 Details of properties being currently developed which were afforded planning approval before the safeguarding date are presented in Volume 5: Appendix CToo4-000. Within this area, the operational sound, noise or vibration associated with these developments in conjunction with the operation of the Proposed Scheme do not result in any significant cumulative effects.